

ATTACHMENT L – PARTS LIST

Applicant: SANYO Electric Co.,Ltd.

Transmitter Type: PCS

DESCRIPTIVE INFORMATION

Parts List

<u>Reference NO.</u>	<u>Function</u>	<u>Part NO.</u>
<u>PLL Synthesizer</u>		
IC13	PLL IC	MB15F73SP
VCO1	PCS VCO	UCVA4-115A
X1	TCXO	VC-TCXO-208C
TR17	Transistor	UMW1N
<u>Transmitter</u>		
IC15	PCS Power Amplifier	RF5154
TR5	Switch	UPG158TB-E3
F2	Duplexer	HPMD7903
F4	Isolator	CE0401G88DCB
F9	RF SAW Filter	ST186P189P1-J
D2,3	Diode	DA221
D1	Diode	MA715
<u>Regulator</u>		
IC10	Regulator(2.8V)	R1121N281B
<u>Receiver</u>		
IC14	Mixer	MAX2338
F5	RF SAW Filter	TSM196NW2B
F10	IF SAW Filter	EFCH210MDQL2
TR19	LNA	NE34018
<u>AGC Circuit</u>		
IC5	RX AGC IC	IFR3000
IC6	TX AGC IC	RFT3100
D6,7	Diode	HVC202
D4,5	Diode	1SV305

PCS Single-Mode RF Module/Parts List

MODEL NO. UGKA3-001A

FCC USE ONLY

Ref NO.	Description	Ref NO.	Description	Ref NO.	Description	Ref NO.	Description	Ref NO.	Description
C1	100p	C803	1000p	C3009	OPEN				
C3	0	C804	1000p	C3010	0.1u				
C4	1p	C805	0.1u	C3011	OPEN				
C52	0.6p	C806	OPEN	C4001	200p				
C53	1000p	C807	4700p	C4002	0.1u				
C54	0.022u	C808	0.47u	C4003	20p				
C55	OPEN	C809	0.022u	C4004	20p				
C56	1000p	C810	100p	C4005	0.01u				
C57	0.6p	C811	0.1u	C4014	0.01u				
C201	51p	C812	1000p	C4015	OPEN				
C202	6.2p	C814	0.01u	C4016	OPEN				
C203	2.7p	C815	0.22u	C4017	OPEN				
C204	15p	C816	0.022u	C4018	OPEN				
C205	0.01u	C817	1u	C4019	OPEN				
C206	2.2u	C821	330p	C4020	OPEN				
C207	15p	C822	1000p	C4021	22p				
C208	15p	C823	1000p	C4022	OPEN				
C209	15p	C824	100p	C4023	OPEN				
C210	18p	C1001	47p	C4024	22p				
C211	0.01u	C1002	47p	C4025	OPEN				
C212	12p	C1003	100p	C4026	OPEN				
C213	5.1p	C1004	3300p	C4027	OPEN				
C214	10p	C1005	47p	C4028	OPEN				
C215	OPEN	C1006	0.1u	C4029	1u				
C216	100p	C1007	1000p	C4030	1u				
C217	OPEN	C1008	1000p	C4031	1u				
C218	1000p	C1009	OPEN	C4032	1u				
C219	1000p	C1010	4700p	C4033	1u				
C220	51p	C1011	100p	C4034	1u				
C221	2.4p	C1012	0.1u	C4035	0.47u				
C222	2.4p	C1013	30p	C4036	0.47u				
C223	51p	C1014	30p	C4037	0.22u				
C224	OPEN	C1015	1000p	C4038	0.22u				
C225	15p	C1017	OPEN	C4039	0.22u				
C401	100p	C1018	OPEN	C4040	0.22u				
C402	1000p	C1019	OPEN	C4041	0.22u				
C403	1p	C1501	0.022u	C4042	0.22u				
C404	100p	C1502	0.47u	C4043	0.47u				
C405	1000p	C1503	560p	C4044	0.47u				
C406	30p	C1504	1000p	C4045	22p				
C407	1000p	C1505	91p	C4046	OPEN				
C408	1000p	C1506	91p	C4047	OPEN				
C409	1.6p	C1507	12p	C4048	OPEN				
C411	0.01u	C2002	0.01u	C4049	33p				
C412	5.1p	C2003	4700p	C4050	33p				
C413	5.1p	C2004	1000p	C4051	OPEN				
C414	OPEN	C2005	0.047u	C4052	OPEN				
C415	1.2p	C2006	0.01u	C4053	0.1u				
C416	1000p	C2007	1000p	C4054	0.1u				
C417	1000p	C2008	1000p	C4055	0.1u				
C418	OPEN	C2009	0.01u	C4056	0.1u				
C421	100p	C2501	OPEN	C4057	1000p				
C422	OPEN	C2502	56p	C4058	1000p				
C608	1000p	C2503	56p	C4059	5.1p				
C610	100p	C2506	100p	C4060	OPEN				
C611	100p	C2507	0.1u						
C612	100p	C3007	1000p						
C802	0.6p	C3008	10u						

MODEL NO. UGKA3-001A

FCC USE ONLY

[illegible]

PCS Single-Mode RF Module/Parts List

MODEL NO. UGKA3-001A

FCC USE ONLY

Ref NO.	Description	Ref NO.	Description	Ref NO.	Description	Ref NO.	Description	Ref NO.	Description
R53	910	R4005	0						
R54	270	R4007	OPEN						
R55	820	R4009	1k						
R58	OPEN	R4010	330k						
R201	0	R4011	1k						
R205	0	R4012	1M						
R206	OPEN	R4013	10						
R207	0	R4014	10						
R208	150	R4015	1k						
R209	OPEN	R4016	OPEN						
R210	OPEN	R4017	150						
R211	OPEN	R4018	68						
R212	10k	R4019	150						
R213	10k	R4020	68						
R214	100	R4021	150						
R401	10	R4022	68						
R402	10	R4023	330						
R403	62	R4024	150						
R405	27k	R4025	1.6k						
R406	68k	R4026	0						
R407	18k	RT51	1.8k						
R408	2k	RT401	68k						
R409	1k								
R413	18k								
R601	100								
R602	0								
R801	10k								
R802	10k								
R803	10k								
R804	15								
R805	0								
R808	0								
R810	220								
R811	3.9k								
R812	1k								
R814	8.2k								
R815	0								
R817	1k								
R818	1k								
R823	10								
R1001	1k								
R1501	12k								
R1502	1k								
R1503	6.2k								
R1504	10k								
R1505	10k								
R1506	10k								
R2001	1k								
R2002	27k								
R2003	8.2k								
R2501	10k								
R2502	10k								
R3001	OPEN								
R4000	OPEN								
R4001	2k								
R4002	120k								
R4003	1k								
R4004	120k								

Reference No	Function	Part No
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MOBILE STATION MODEM

IC210	MOBILE STATION MODEM	MSM3100A280FBGA-TR
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POWER & CHARGER CIRCUIT

IC152	2.9V Regulator	RN1121N291B
IC220	Power & Chrager	BH6030KN
IC221	ANOLOG SWITCH	TC7S66FU
Q1303	SWITCHING	HN7G03FU
Q2200	SWITCHING	Z5A1774
Q2201	SWITCHING	Z5C4617
Q2202	SWITCHING	HAT1043M
Q2203	SWITCHING	MCH3301
Q2204	SWITCHING	Z5K3019 or Z5K2035

SPEAKER AMP

IC231	SPEAKER AMP	LM48641MM
Q2301	SWITCHING	DTC124XE or RN1108

EARPHONE JACK SWITCH

IC230	Schmitt INVERTER	TC7S14FU or SN74AHC1G14H or NC7S14
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MEMORY

IC240	64M FALSH/8M SRAM	M6MC3D641S8TP
Q2401	SWITCHING	DTC114YE

INTERFACE CIRCUIT

Q2701	SWITCHING	HAT1043M
Q2702	SWITCHING	Z5K3019 or Z5K2035
Q2703	SWITCHING	DTC124XE or RN1108
Q2704	SWITCHING	DTC124XE or RN1108
Q2705	SWITCHING	DTC124XE or RN1108
Q2706	SWITCHING	DTC124XE or RN1108
Q2707	SWITCHING	DTC124XE or RN1108
Q2808	SWITCHING	DTC124XE or RN1108

LCD MODULE

LCD01	MAIN LCD Driver	HD66750
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